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Notice of Allowability	**Application No.** 10/684,687	**Applicant(s)** LEVEY ET AL.
	Examiner Geoffrey S. Evans	**Art Unit** 1725

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the filing of the RCE and amendment of 23 March 2005*.
2. ☒ The allowed claim(s) is/are *63-70 and 72-83*.
3. ☒ The drawings filed on *14 October 2003* are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
   1. ☐ Certified copies of the priority documents have been received..
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
   1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Geoffrey S. Evans

Geoffrey S. Evans
Primary Examiner
Art Unit: 1725

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification:

On page 1, before the heading "BACKGROUND OF THE INVENTION"

Insert the following sentence:

- - This application is a division of U.S. Application Serial No. 09/885,796, filed 19 June 2001, now U.S. Patent No. 6,899,500 - -.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Geoffrey S Evans whose telephone number is (571)-272-1174. The examiner can normally be reached on Mon-Fri 6:30AM to 4:00 PM, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (571)-272-1171. The fax phone number for the organization where this application or proceeding is assigned is (703)-872-9306.

GSE

Geoffrey S. Evans
Geoffrey S. Evans
Primary Examiner
Group 1700

IN THE CLAIMS

The following listing of the claims replaces all prior versions and listings of the claims in relation to the present patent application.

Listing of the Claims

1-62. (canceled)

63. (currently amended) A method for making a threaded fastener, comprising:

forming a generally planar die-making tool having surface features corresponding to desired crest and flank profiles of a thread of a threaded fastener, the desired crest and flank profiles including a plurality of bosses separated from one another by respective bases; and

forming a roll threading die via electric discharge machining of a die blank with the generally planar die-making tool.

64. (currently amended) ~~The method of claim 63,~~ A method for making a threaded fastener, comprising:

forming a die-making tool having surface features corresponding to desired crest and flank profiles of a thread of a threaded fastener, the desired crest and flank profiles including a plurality of bosses separated from one another by respective bases; and

forming a roll threading die via electric discharge machining of a die blank with the die-making tool;

wherein the bases are configured to form bases on a fastener made via the roll threading die that have a radial dimension greater than a root of the resulting thread.

65. (previously presented) The method of claim 63, wherein the bosses are configured to form bosses on a fastener made via the roll threading die that have central portions of substantially constant radial dimension.

66. (previously presented) The method of claim 65, wherein the bases are configured to form bases on a fastener made via the roll threading die that have central portions of substantially constant radial dimension.

67. (previously presented) The method of claim 63, wherein the desired crest profiles include a continuous crest apex.

68. (currently amended) ~~The method of claim 63,~~ A method for making a threaded fastener, comprising:

forming a die-making tool having surface features corresponding to desired crest and flank profiles of a thread of a threaded fastener, the desired crest and flank profiles including a plurality of bosses separated from one another by respective bases; and

forming a roll threading die via electric discharge machining of a die blank with the die-making tool;

wherein the threads defined by the features of the die-making tool include more than one lead.

69. (currently amended) The method of claim 63, further comprising roll threading a fastener using the roll threading die, the fastener having threads with crest and flank profiles corresponding to the crest and flank profiles of the surface features of the generally planar die-making tool.

70. (currently amended) A method for making a threaded fastener, comprising:

~~forming~~ end milling a die-making tool having surface features corresponding to desired crest and flank profiles of a plurality of threads of a threaded fastener; and

forming a roll threading die via electric discharge machining of a die blank with the die-making tool.

71. (cancelled)

72. (previously presented) The method of claim 70, wherein the desired crest and flank profiles include a plurality of bosses separated from one another by respective bases.

73. (currently amended) ~~The method of claim 72,~~ A method for making a threaded fastener, comprising:

forming a die-making tool having surface features corresponding to desired crest and flank profiles of a plurality of threads of a threaded fastener; and

forming a roll threading die via electric discharge machining of a die blank with the die-making tool;

wherein the desired crest and flank profiles include a plurality of bosses separated from one another by respective bases, and wherein the bases are configured to form bases on a fastener made via the roll threading die that have a radial dimension greater than a root of the resulting thread.

74. (currently amended) ~~The method of claim 73,~~ A method for making a threaded fastener, comprising:

forming a die-making tool having surface features corresponding to desired crest and flank profiles of a plurality of threads of a threaded fastener; and

forming a roll threading die via electric discharge machining of a die blank with the die-making tool;

wherein the desired crest and flank profiles include a plurality of bosses separated from one another by respective bases, wherein the bases are configured to form bases on a fastener made via the roll threading die that have a radial dimension greater than a root of the resulting thread, and wherein the threads defined by the features of the die-making tool include more than one lead.

75. (currently amended) ~~The method of claim 70,~~ A method for making a threaded fastener, comprising:

forming a die-making tool having surface features corresponding to desired crest and flank profiles of a plurality of threads of a threaded fastener; and

forming a roll threading die via electric discharge machining of a die blank with the die-making tool;

wherein the threads defined by the features of the die-making tool include more than one lead.

76. (previously presented) The method of claim 70, wherein the roll threading die is a movable die configured to cooperate with a stationary die for roll threading fastener blanks.

77. (currently amended) A method for making a threaded fastener, comprising:

forming a die-making tool from a graphite tool element, the die-making tool having surface features corresponding to desired crest and flank profiles of a ~~plurality of threads~~ thread of a threaded fastener;~~and~~

forming a roll threading die via plunge electric discharge machining of a die blank using the die-making tool as a template; and roll threading a fastener using the roll threading die, the fastener having threads with crest and flank profiles corresponding to the crest and flank profiles of the surface features of the die-making tool.

78. (previously presented) The method of claim 77, wherein the desired crest and flank profiles include a plurality of bosses separated from one another by respective bases.

79. (currently amended) ~~The method of claim 78,~~ A method for making a threaded fastener, comprising:

forming a die-making tool from a graphite tool element, the die-making tool having surface features corresponding to desired crest and flank profiles of a plurality of threads of a threaded fastener;

forming a roll threading die via plunge electric discharge machining of a die blank using the die-making tool as a template; and

roll threading a fastener using the roll threading die, the fastener having threads with crest and flank profiles corresponding to the crest and flank profiles of the surface features of the die-making tool;

wherein the desired crest and flank profiles include a plurality of bosses separated from one another by respective bases, and wherein the bases are configured to form bases on a fastener made via the roll threading die that have a radial dimension greater than a root of the resulting thread.

80. (previously presented) The method of claim 77, wherein the desired crest profiles include a continuous crest apex.

81. (previously presented) The method of claim 77, wherein the threads defined by the features of the die-making tool include more than one lead.

82. (previously presented) The method of claim 77, wherein the roll threading die is a movable die configured to cooperate with a stationary die for roll threading fastener blanks.

83. (new) The method of claim 77, wherein the die making tool includes surface features that vary in three dimensions.